

Fig. 1 Prior Art

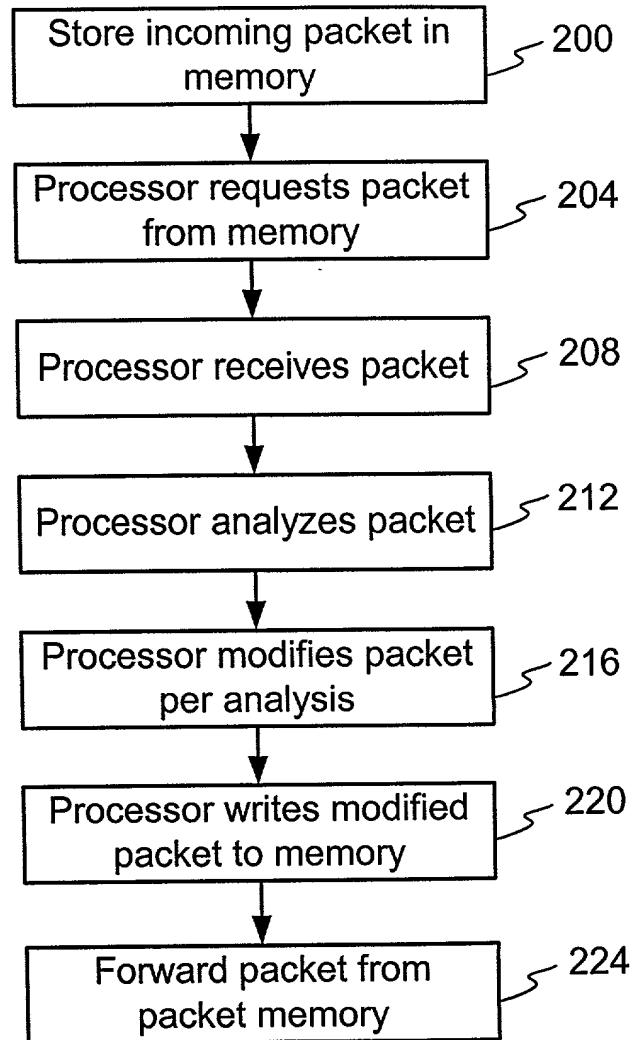


Fig. 2 Prior Art

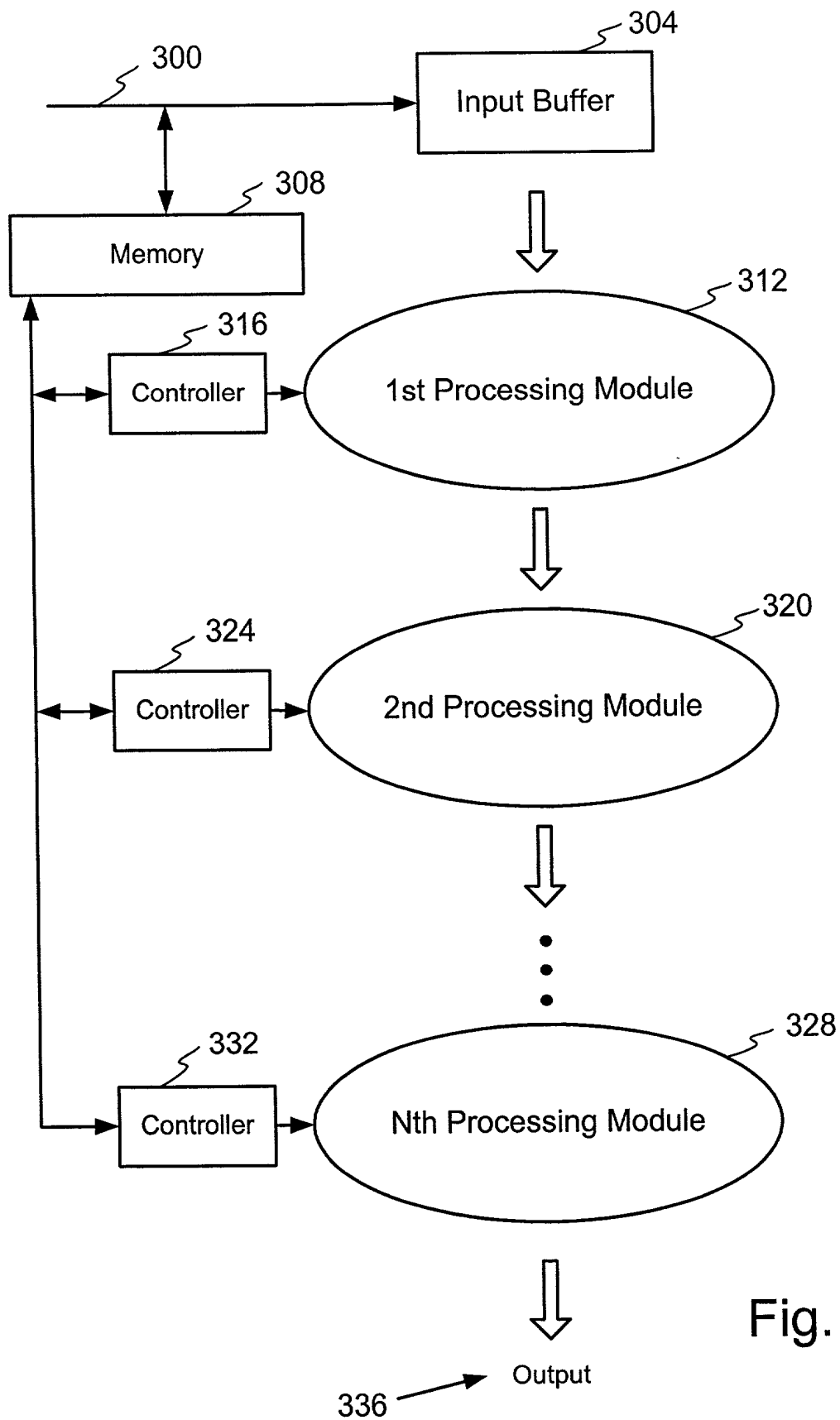


Fig. 3

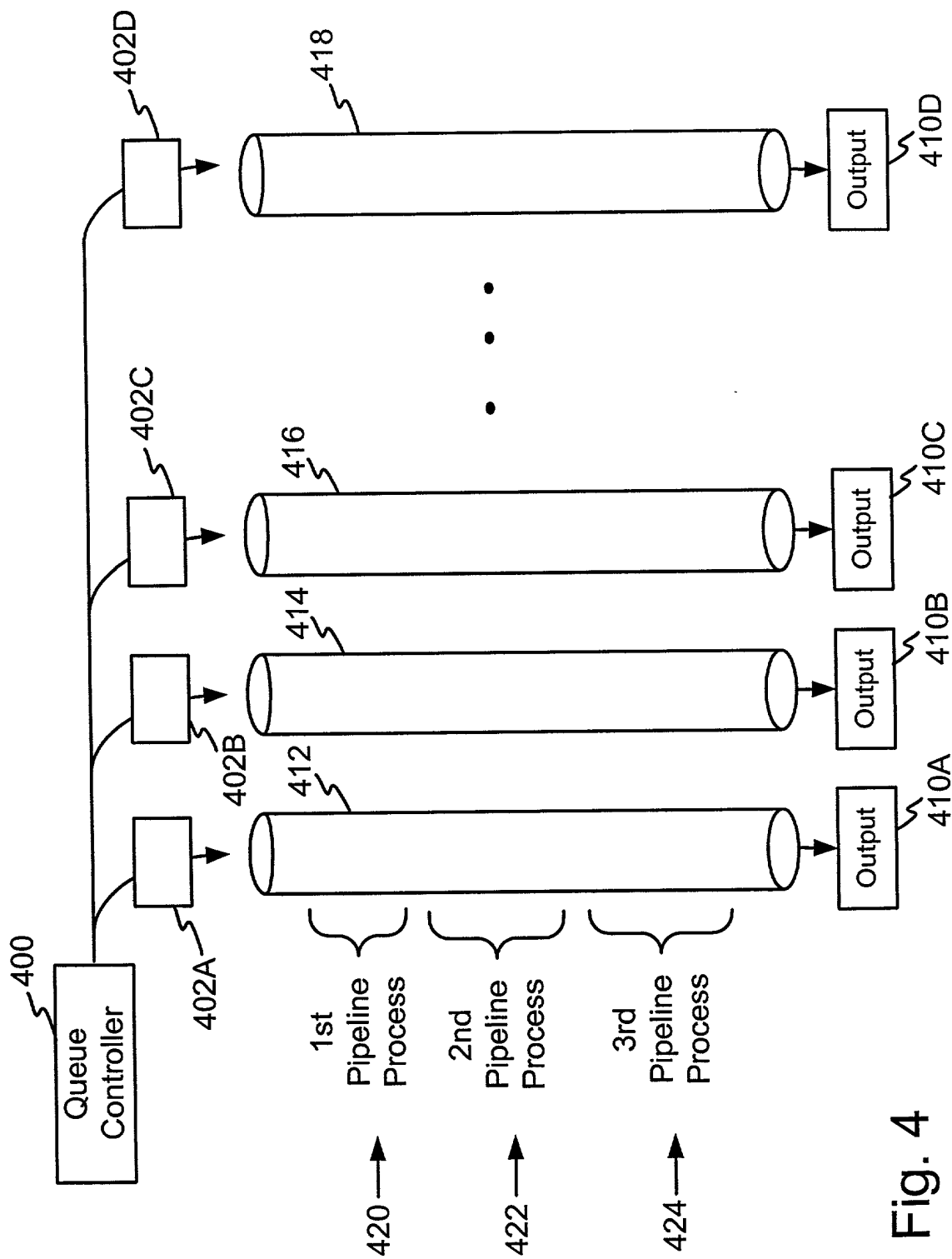


Fig. 4

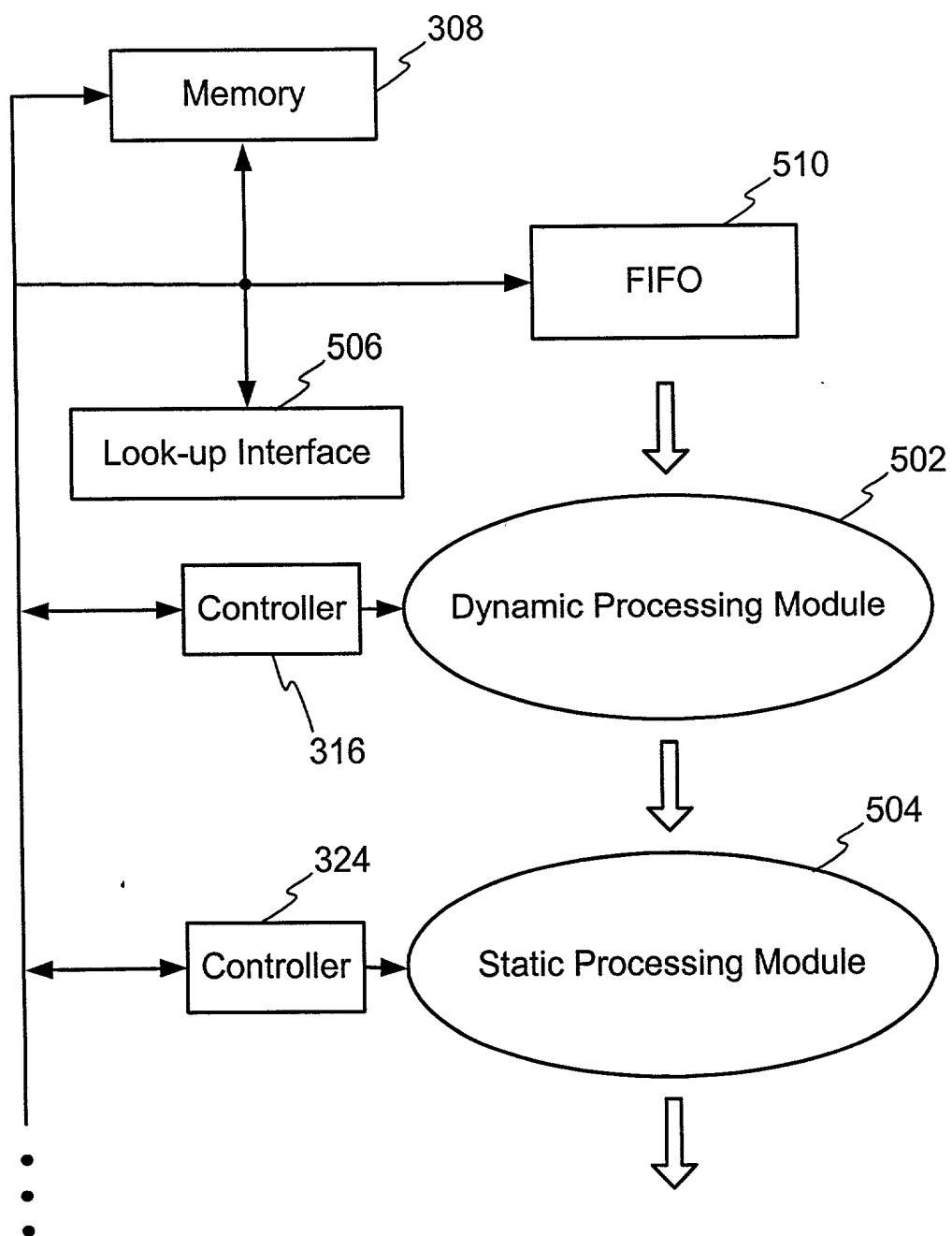


Fig. 5A

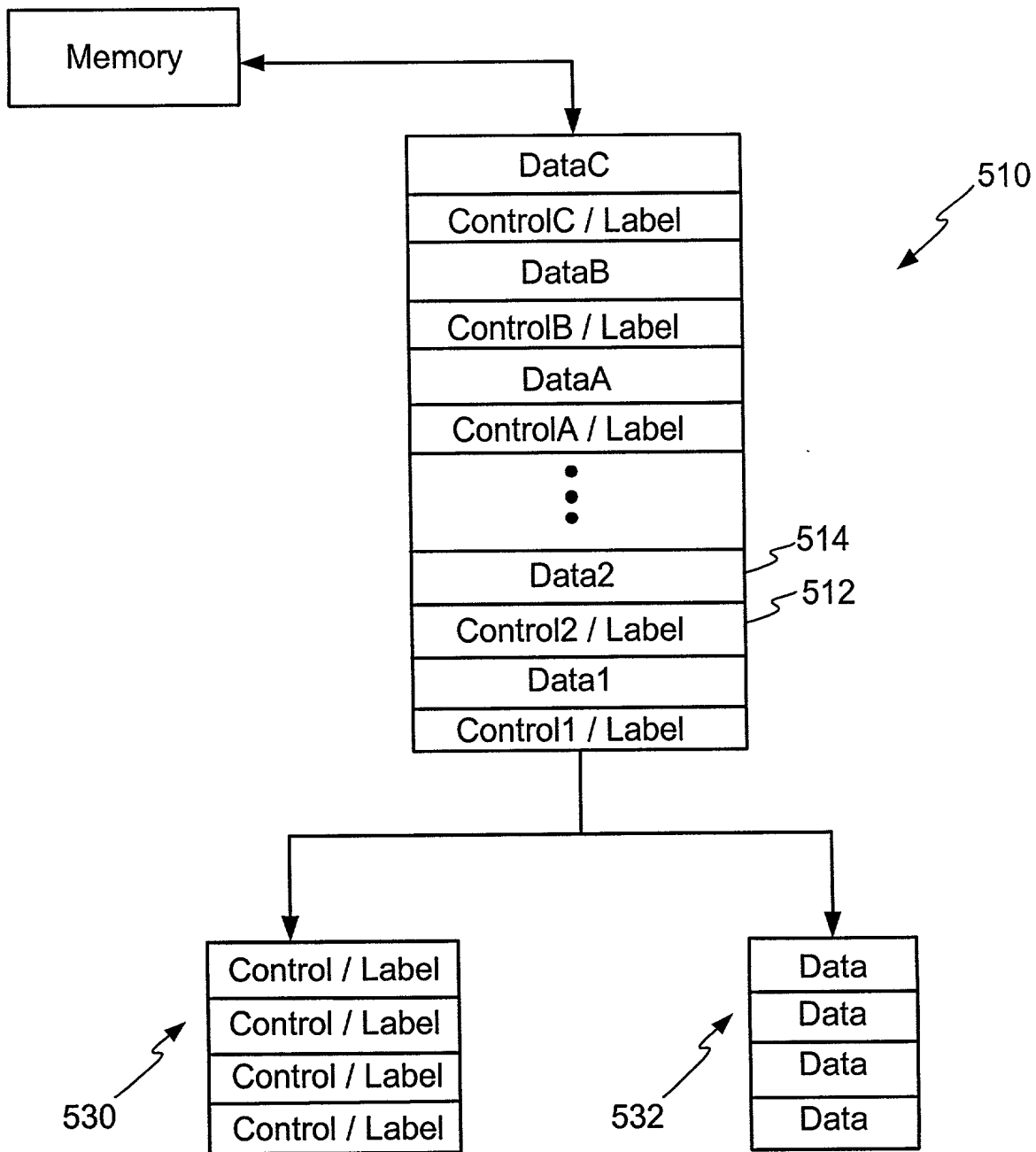


Fig. 5B

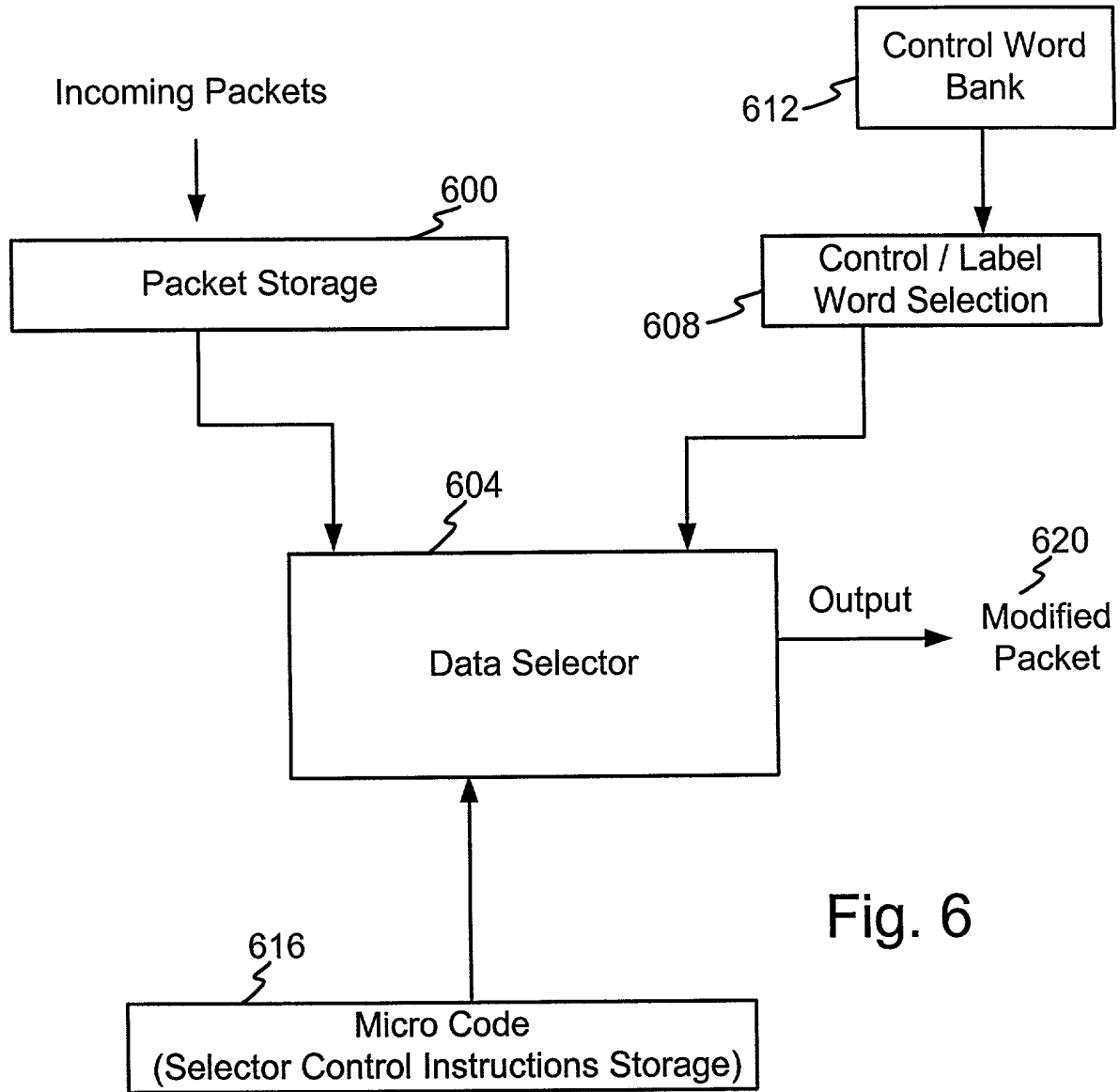


Fig. 6

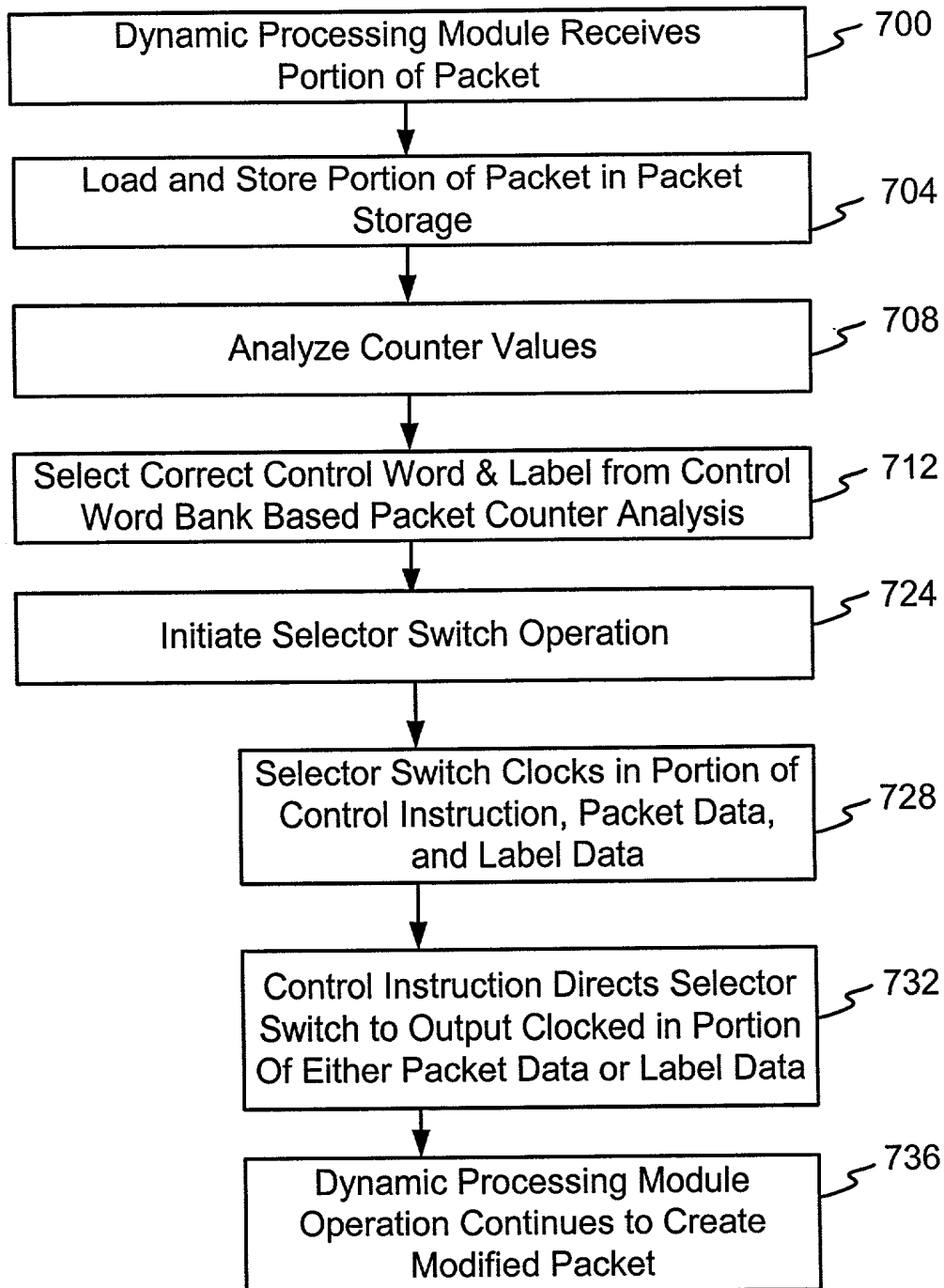


Fig. 7

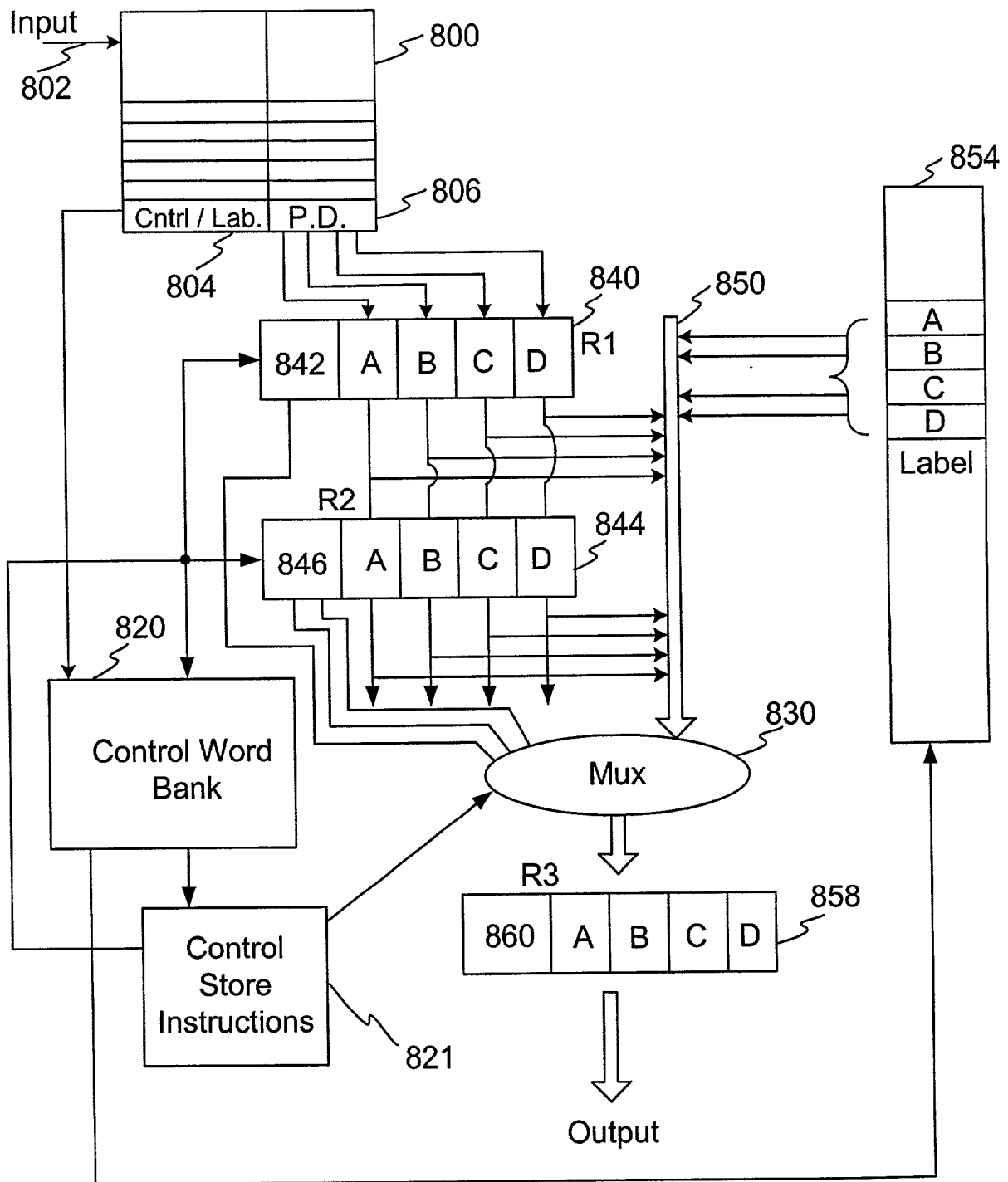


Fig. 8

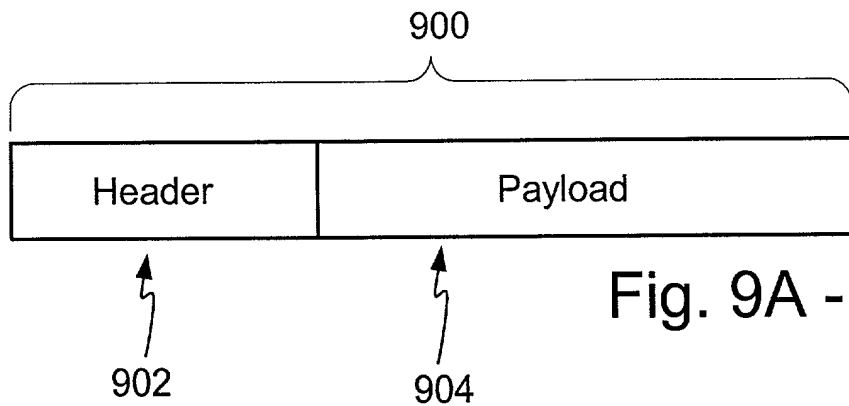


Fig. 9A - Prior Art

Version	Length	Service Type	Total Length	
Identification			Flags	Fragment Offset
Time to Live	Protocol		Header Checksum	
Source IP Address				
Destination IP Address				
IP Options (optional)				Padding
Data				

902

Fig. 9B - Prior Art

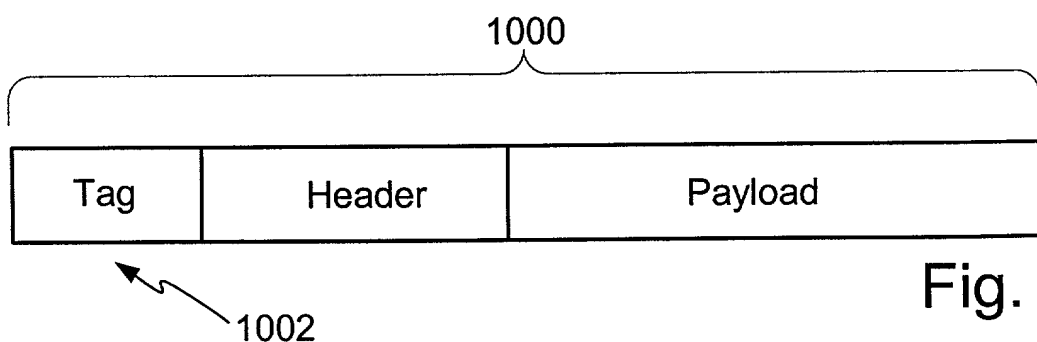


Fig. 10

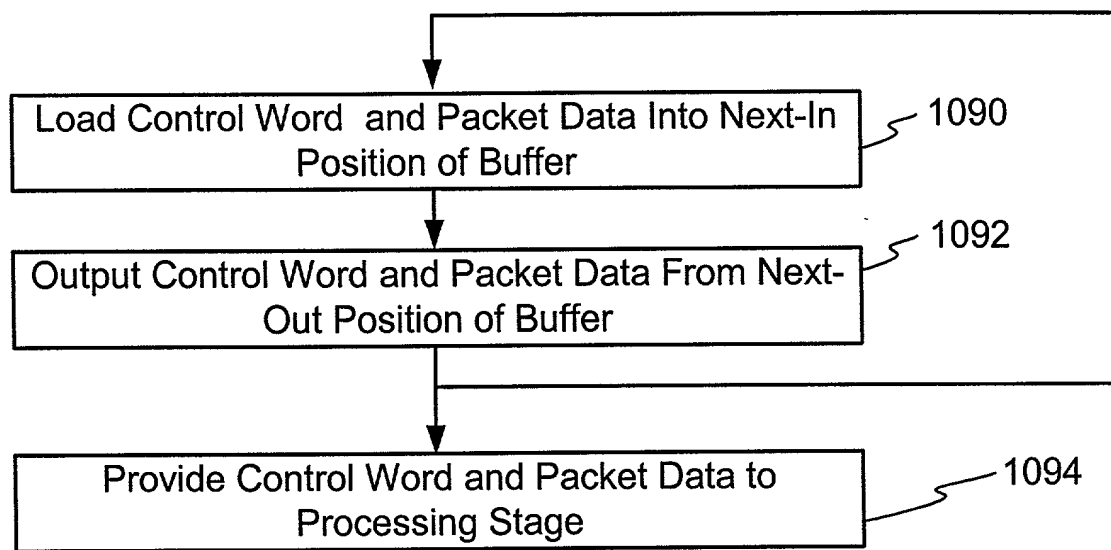


Fig. 11A

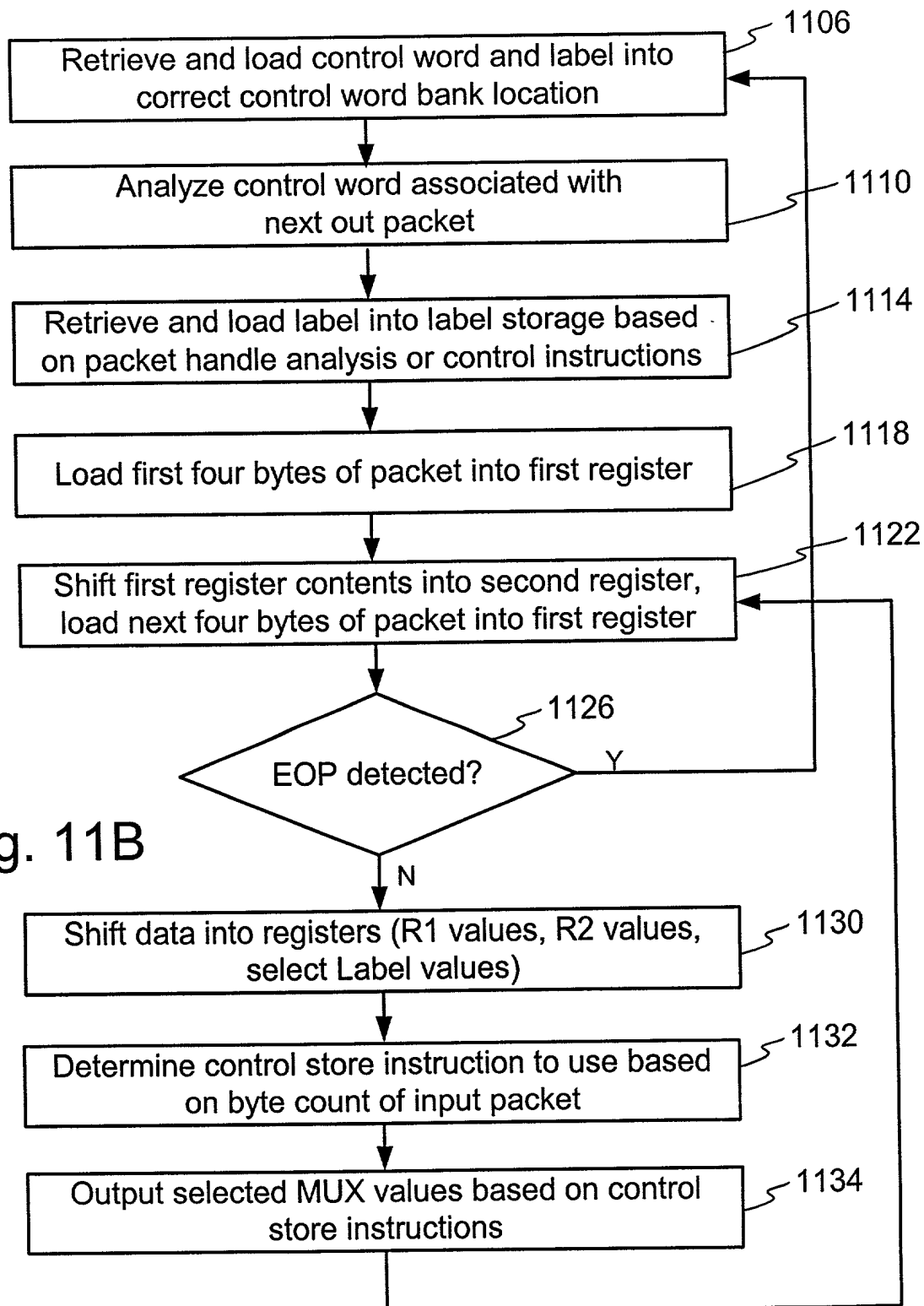


Fig. 11B

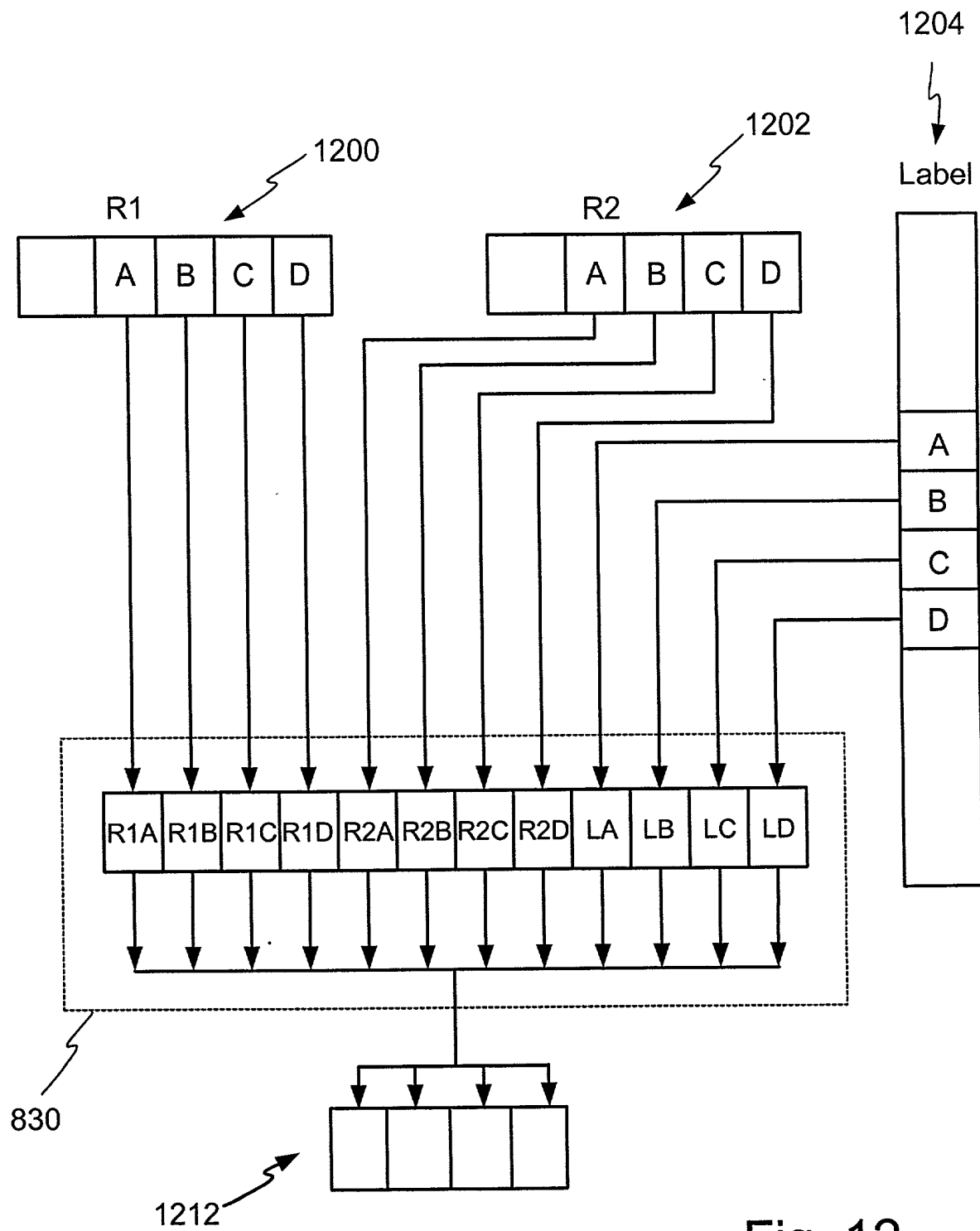


Fig. 12

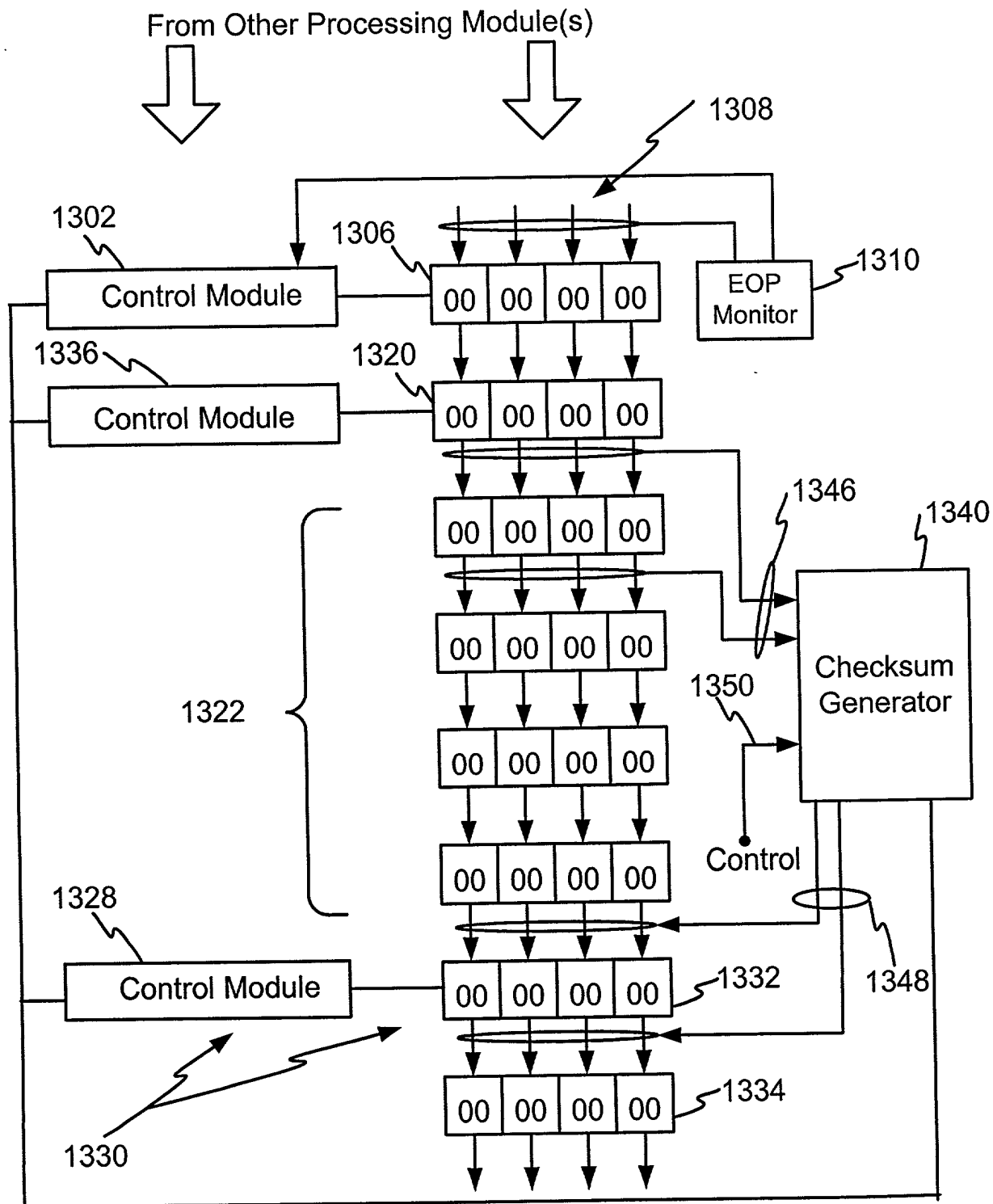


Fig. 13

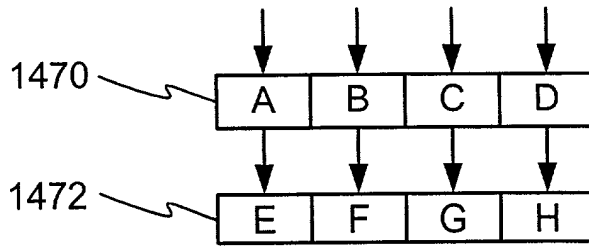


Fig. 14

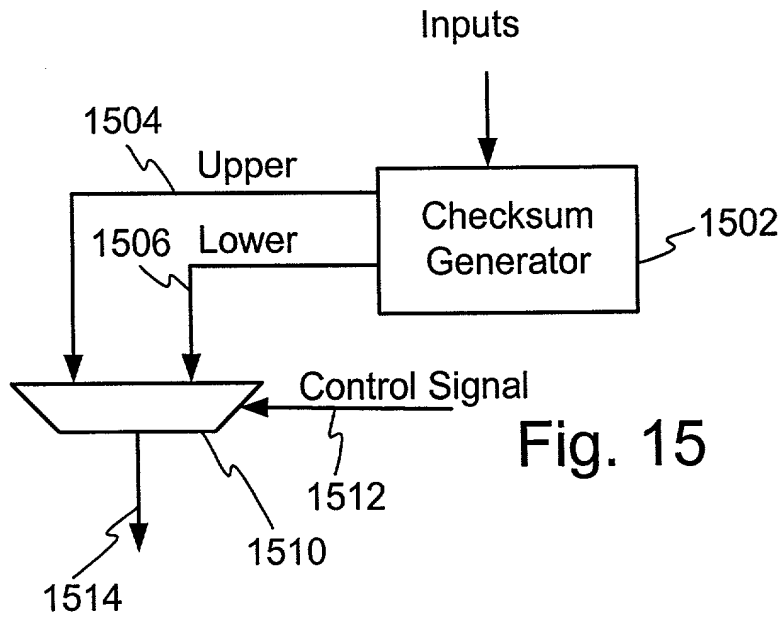


Fig. 15

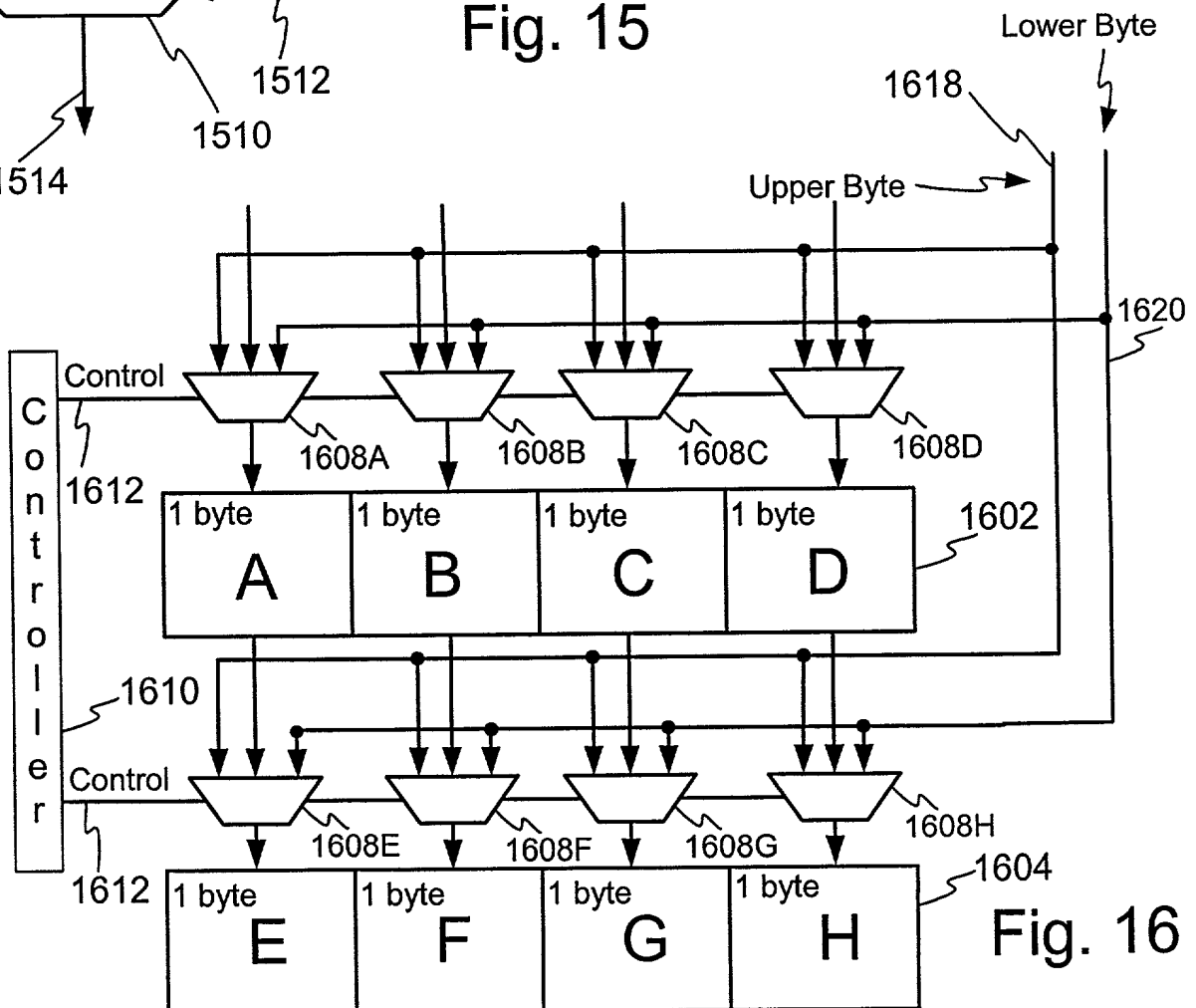


Fig. 16

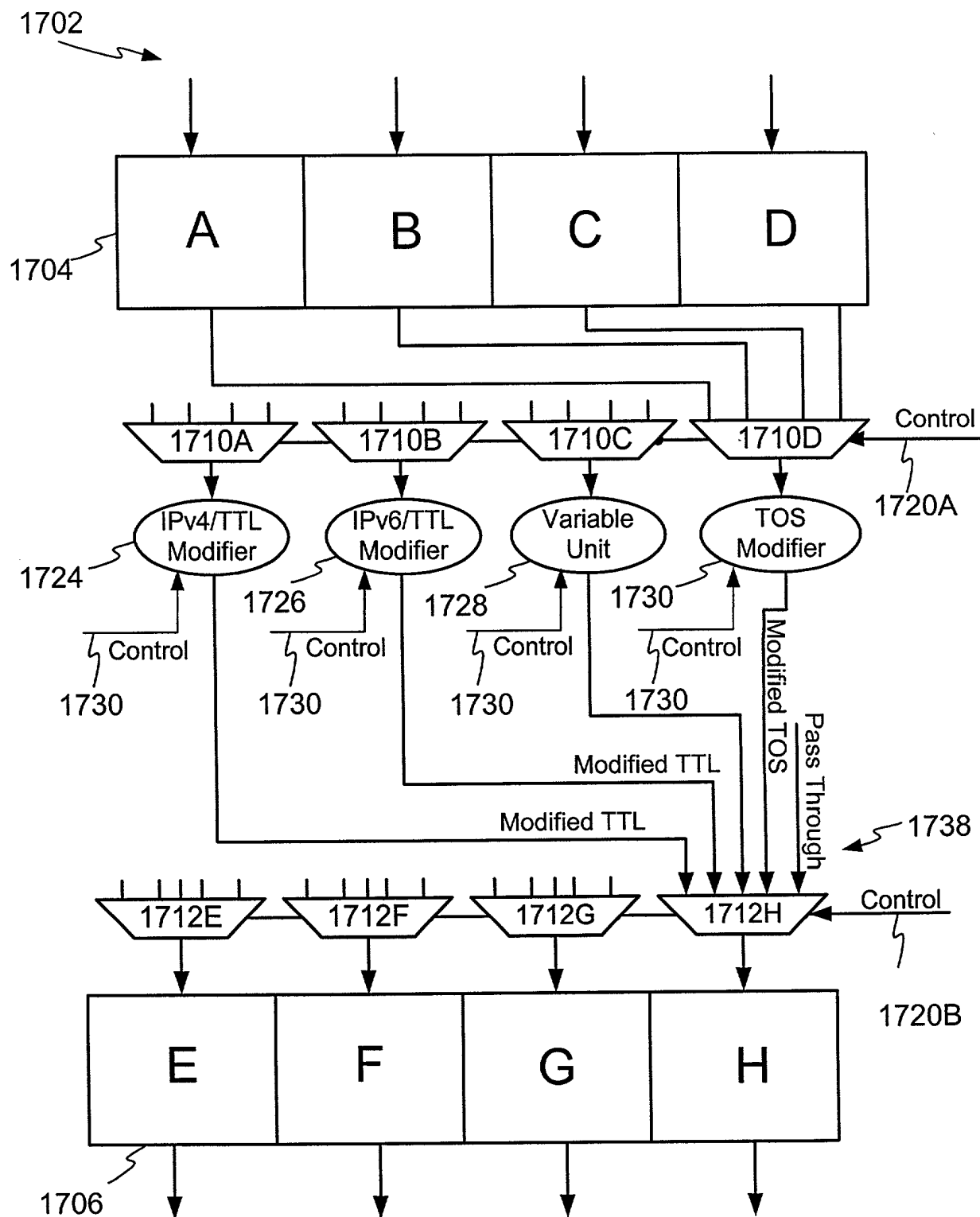


Fig. 17

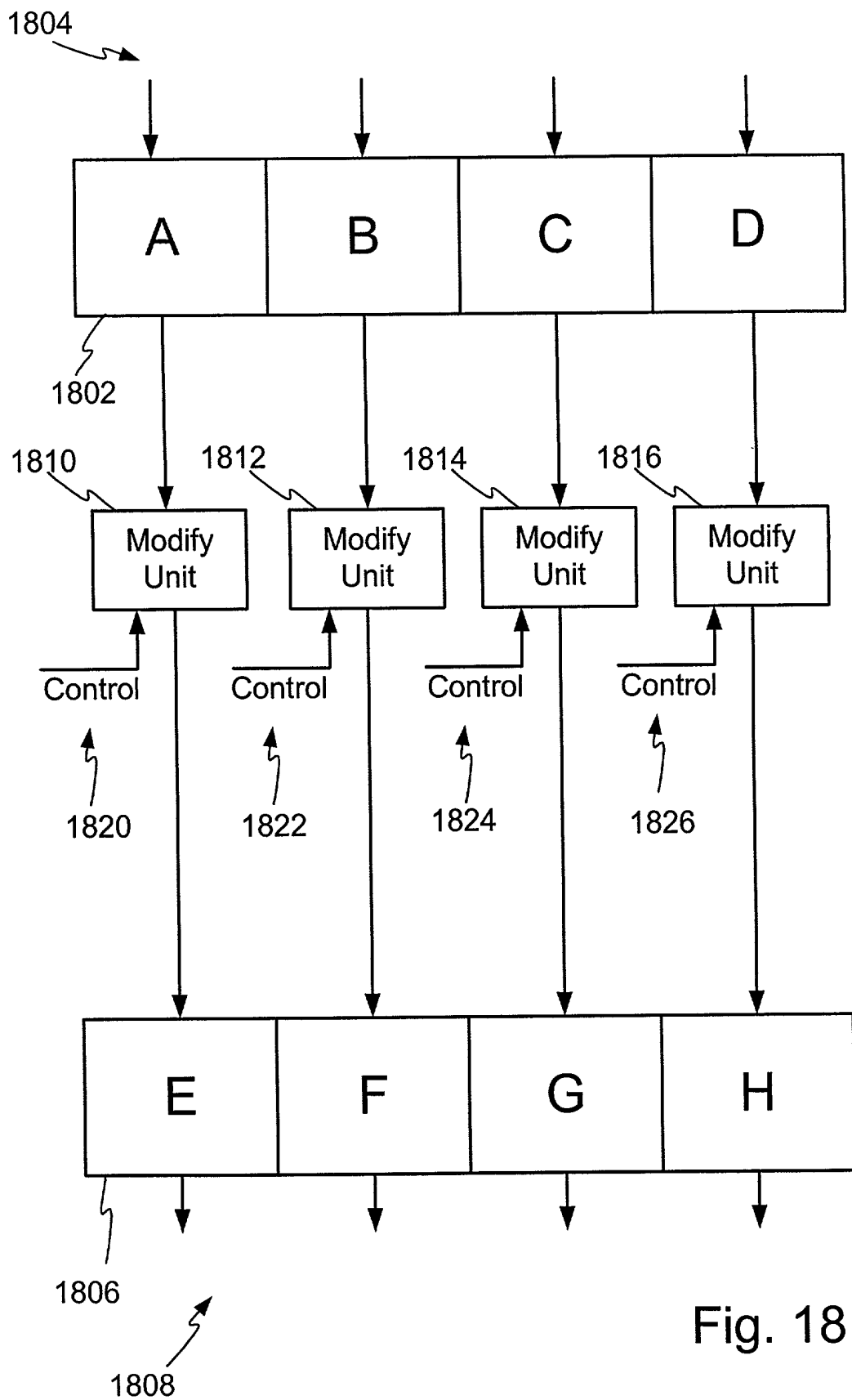


Fig. 18


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graph TD
    1902[Receive Control Instructions and Register Contents at First Row, Increment Counter] --> 1906[Monitor for SOP]
    1906 --> 1908{SOP detected?}
    1908 -- Y --> 1910[Reset Checksum Value and Counter Values]
    1910 --> 1914[Provide Register Values to Checksum Generator]
    1908 -- N --> 1914
    1914 --> 1918[Generate Running Summation of Register Values to Update Checksum Value]
    1918 --> 1922[Optionally Delay Passage of Register Values to Complete Checksum Generation]
    1922 --> 1926[Monitor Counter Values]
    1926 --> 1930[Insert Updated Checksum Value into a Subsequent Register Based on Counter Value]

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Fig. 19

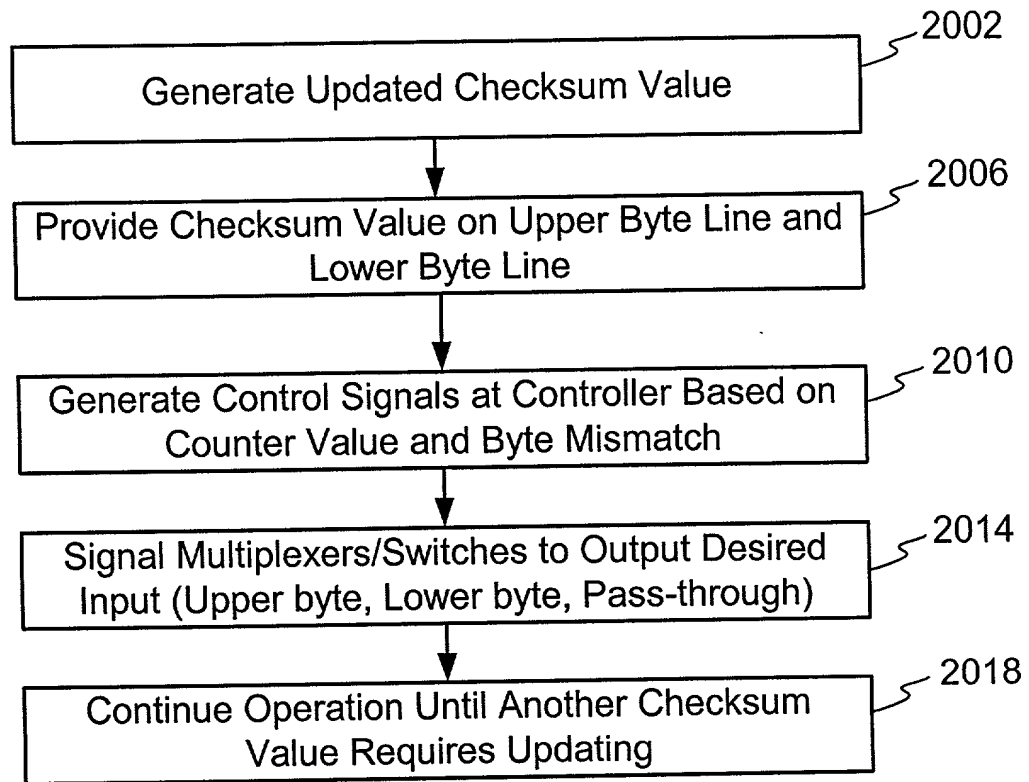


Fig. 20

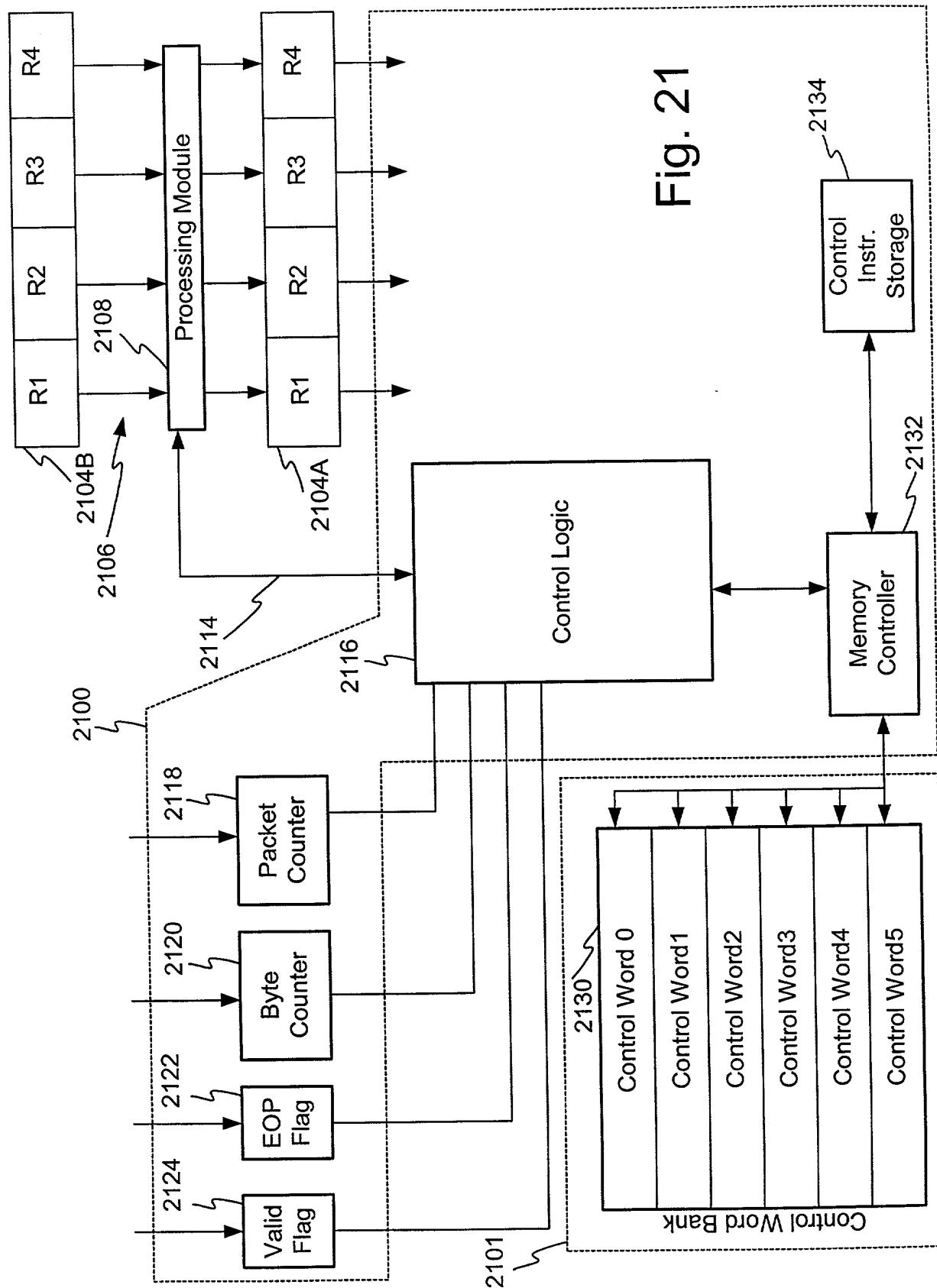


Fig. 21

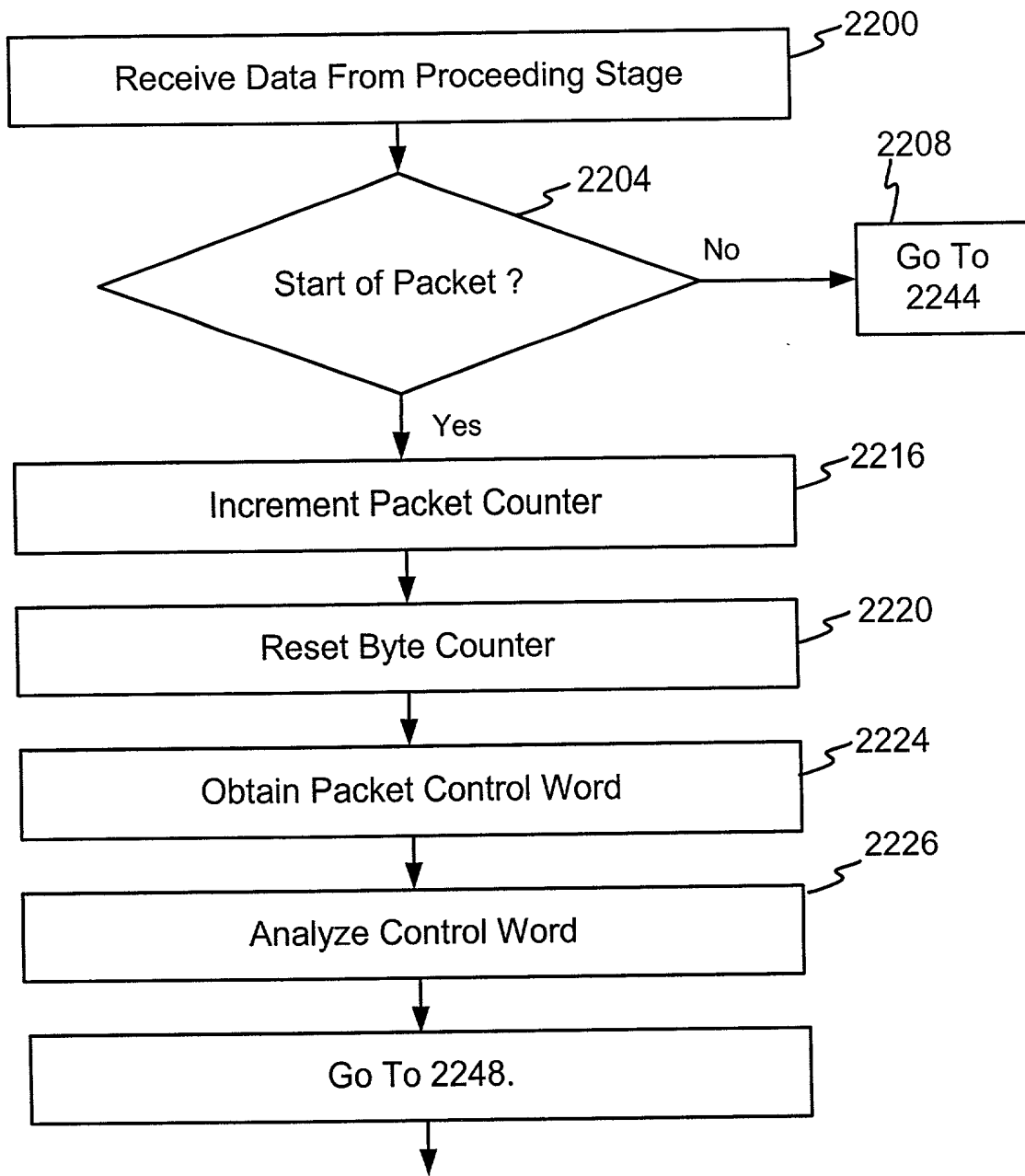


Fig. 22A

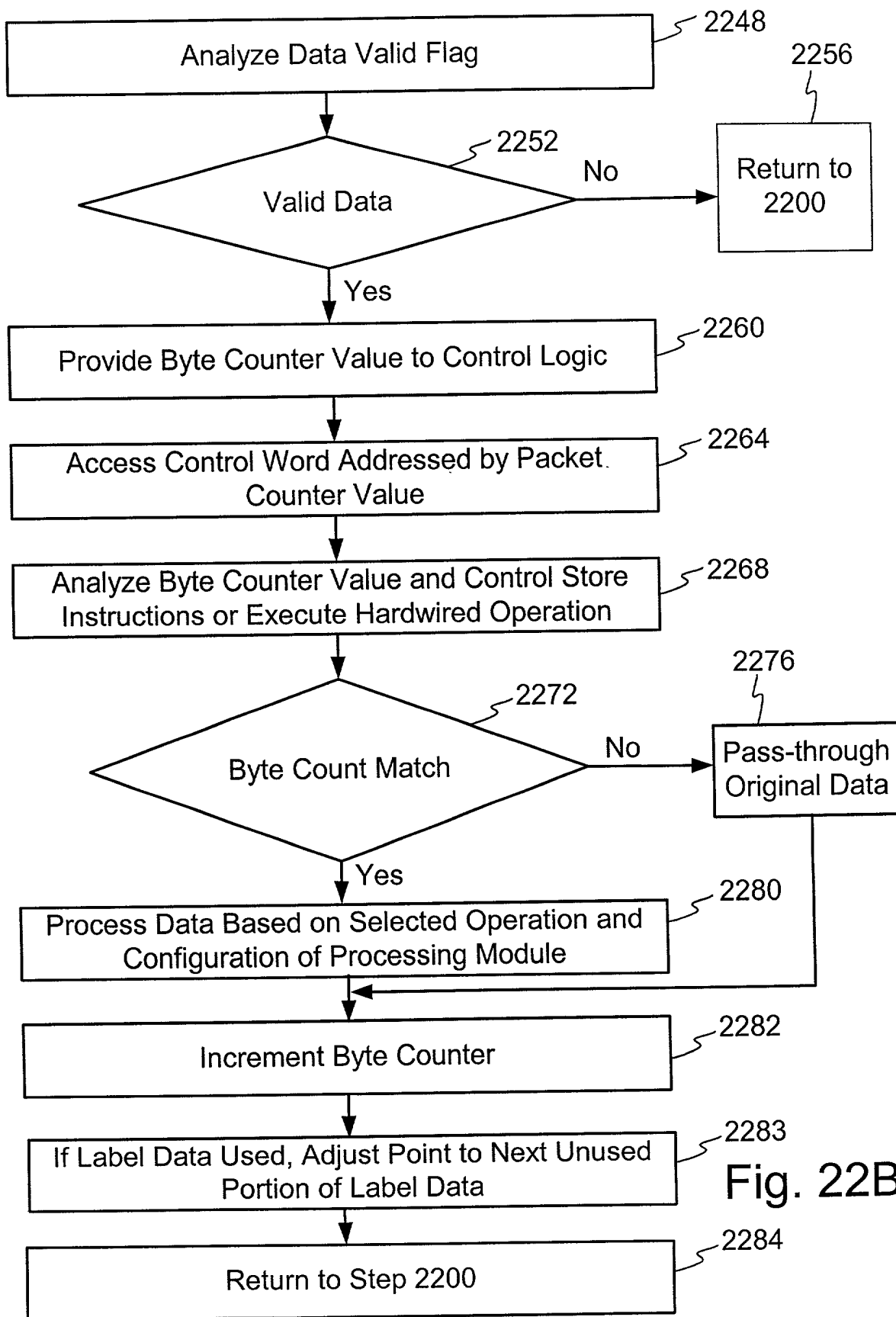


Fig. 22B